Primary Five
Mathematics
Continual Assessment Two

Section A (10 x 2 marks)
For each question, four options are given. Choose the correct answer and write it in the space given.

1. 580 x 900 = _____
    (1) 58 x 9 x 100   (2) 58 x 9 x 1000
    (3) 580 x 90 x 100   (4) 580 x 90 x 1000

2. _____ ÷ 78 = 2730
    (1) 40 950   (2) 210 940
    (3) 212 940   (4) 213 010

3. James needs to travel 15km from Town A to Town B. He travels the same distance each hour and completes the journey in 35 days. How far would he have travelled in 5 days?
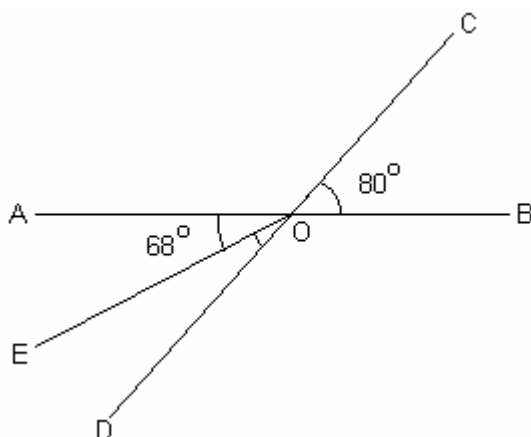   (1) $^3/_7$ km   (2) $2 \, ^1/_7$ km
    (3) $2 \, ^1/_3$ km   (4) $16 \, ^1/_3$ km

4. The figure below is not drawn to scale. AOB and COD are straight lines. Find ∠DOE.

    (1) 12°   (2) 22°
    (3) 32°   (4) 42°

5. The area of the triangle below is _____cm2.

7.5 cm

6 cm

14.5 cm

8 cm
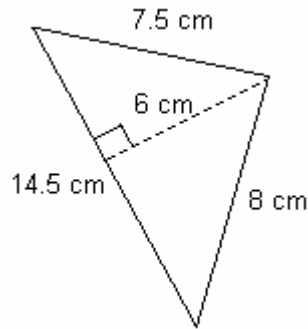
(1) 22.5   (2) 30
(2) 43.5   (4) 58

6. The ratio of Danny's age to Mr Sim's age is 2 : 5. If Mr Sim is 60 years old
    now, how old was Danny when Mr Sim was 40 years old?
    (1) 1   (2) 2
    (3) 3   (4) 4

7. Express $6\,^7/_9$ as a decimal correct to 2 decimal places.
    (1) 0.77   (2) 0.78
    (3) 6.77   (4) 6.78

8. Linda can wrap 15 presents in one hour. How long will she take to wrap 135
    presents?
    (1) 15 h   (2) 9 h
    (3) 5 h   (4) 4 h

9. Express 65% as a fraction in its simplest form.
    (1) $^{65}/_{100}$ (2) $^{32}/_{50}$
    (3) $^{13}/_{20}$ (4) $^{11}/_{20}$

10. The average weight of Joseph, Janet and Jennifer is 42kg. Joseph weighs
    50kg. What is the average weight of Janet and Jennifer?
    (1) 38 kg   (2) 42 kg
    (3) 46 kg   (4) 50 kg

Section B (20 x 1 mark)
For each of the following questions, write down your answer in the space given.

11. What is the missing faction in the following number sequence?
    $^1/_{16}$, $^{13}/_{64}$, $^{11}/_{32}$, _____, $^5/_8$

12. Find the value of 52 + 10 x (92 – 25) ÷ 5.

13. Kelvin had 5050 marbles. He sold 1987 of them and the rest were placed into bags of 50 each. How many marbles were not placed in a bag?

14. There are 66 classes in a school and 38 pupils in each class. If all the pupils were to go to the stadium on Sports Day, how many seats will be occupied?

15. Mother bought 50 kg of flour. She used $^3/_8$ of it to bake cakes and bread. How much flour was left? Give your answer as a mixed number in its simplest form.

16. String A is 2 $^5/_8$ m shorter than String B. String C is 1 $^1/_{12}$ m longer than String A. If String B is 10 $^3/_4$ m long, find the length of String C. Give your answer as a fraction in its simplest form.
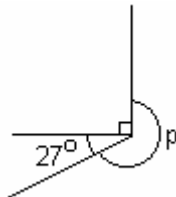
17. What is the area of the figure below?
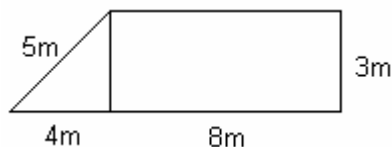
18. ABCD is a rectangle with an area of 45cm². GCEF is a square with an area of 9cm². Find the area of the shaded region.

A   9cm   B

3cm

D   G   C

F   E
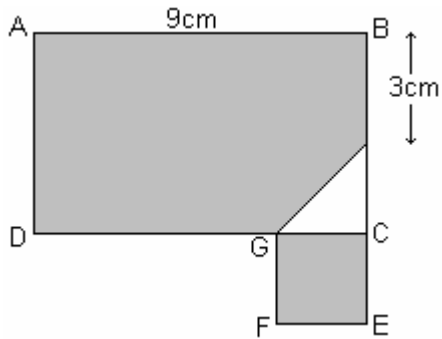
19. The figure below is not drawn to scale. Find ∠p.

27° p

20. 40kg of mass is cast into three different sizes of loads: large, medium and small. The ratio by weight of the large to medium to small load is 4 : 3 : 1. For every 1 kg, there are 12 large loads. How many large loads are there?

21. The ratio of the number of boys to girls in a CCA was 4 : 3. After 16 boys left, the ratio of the number of boys to girls became 4 : 5. How many girls were there in the CCA?

22. The figure below is not drawn to scale. Given that the ratio of the size of ∠x to the size of ∠y to the size of ∠z is 2 : 3 : 5, find ∠y + ∠z.

x   110°

y

z
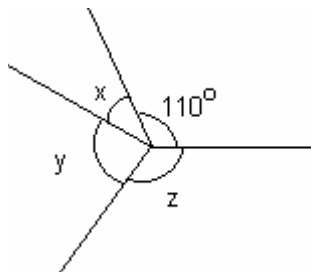
23. Alicia bought 10 books which cost $3.05 each and 300 stamps which cost $0.22 each. How much did she spend altogether?

24. Mr Tan bought a set of sofa and paid for it by monthly instalments. He paid $231.50 each month for 18 months. What was the cost of the sofa?

25. 875l of fruit juice is bottled into 700 bottles equally. How much fruit juice does each bottle contain?

26. At a talk, there are 200 seats. 182 were occupied. What percentage of the seats were **not** occupied?

27. At an exhibition, the price of a ticket for an adult was $10. It costs 25% less for a child. How much will a ticket for an adult and a child cost?

28. Auntie Mary can sew 15 dresses in 4 days. If she earns $5 for every dress, how much will she earn in 28 days?

29. The table below shows the number of people attending a book fair. The average number of people over the three days is 3000. How many people attended the book fair on Saturday?

Day	No. of people
Friday	2000
Saturday	
Sunday	4654

30. The table below shows the rate for posting a parcel.

Weight step not over	Postage
25 g	$0.40
50 g	$0.50
100 g	$0.85
Every additional 50 g	$0.35

Find the postage for sending a parcel weighing 200g.

Section C (55 marks)
Answer the following questions in the space given. Show all your working clearly.
The number of marks for each question is indicated at the end of the question.

31. Sue weighs 45 kg. She is 3 kg lighter than Winnie. Find their average weight. (2 marks)

32. Bobby and Amanda had $128. After giving $15 to Amanda, Bobby had as much money as Amanda. How much money did Bobby have at first? (2 marks)

33. Fanny's mother gave her some money just enough to buy a book and 5 identical pens. However, Fanny bought only a book and 2 pens, and had $36 left. If the book costs $10, how much did Fanny's mother give her? (3 marks)

34. The table below shows the parking fees at a parking lot.

7:00am to 5:00pm	$1 per hour or part thereof
After 5:00pm	$2.50 per entry.

How much will Uncle Joe have to pay if he parks his car there from 3:45pm to 7pm? (2 marks)

35. A rope is 3.2 m long. Three pieces of rope, each 25 cm long, are cut from it. The remaining length of rope is then cut into 5 pieces of equal length. What is the length of each of these 5 pieces? Give your answers in metres. (3 marks)

36. The figure below is not drawn to scale. Given that ∠y is twice the size of ∠x, find ∠y. (3 marks)
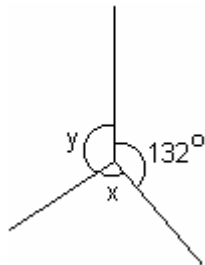
37. Andrew, Betty and Colin shared a certain number of stickers among themselves in the ratio of 3 : 2 : 1. After Andrew gave 6 stickers to Betty and 3 stickers to Colin, the ratio of their number of stickers became 2 : 2 : 1. How many stickers did they have altogether? (4 marks)

38. At an exhibition, $\frac{1}{3}$ were men, $\frac{1}{5}$ were women and the remaining were children. The total number of adults was 128 and there was an equal number of boys and girls. How many boys were there? (4 marks)

39. A certain number of beads are placed in a bottle. 60% of them are red. There are 4 times as many red beads as blue beads. The remaining 24 beads are yellow.
(a) What fraction of the beads are yellow? (2 marks)
(b) How many beads were there altogether? (2 marks)

40. At a tuition centre, there were 42 girls and 32 boys in March. In May, 6 girls left but some boys enrolled in the tuition centre. The ratio of the number of girls to boys then became 4 : 5. How many more students were there in the tuition centre in May than in March? (4 marks)

41. Mr Wong earns $3600 a month. He gives 55% to his wife, spends 30% and saves the rest.
    (a) How much does he give his wife each month? (2 marks)
    (b) How long till he take to save $2700? (2 marks)

42. In the figure below, P, Q and R are three similar squares and ABEF is a square. The perimeter of BCDE is 32 cm. N is the mid-point of FE.
    (a) What is the area of Q? (2 marks)
    (b) Find the total area of the unshaded region. (3 marks)
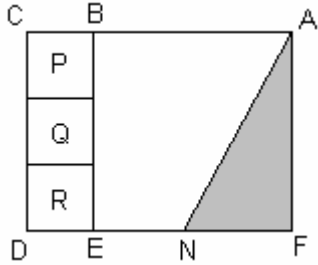
43. At a small fruit stall, $^3/_5$ of the fruits are apples and the rest are oranges and bananas. The ratio of the number of oranges to the number of bananas is 1 : 3. There are 6 more apples than bananas. A few days later, 2 more apples and 5 oranges were brought in.

(a) Express the ratio of the number of apples to the number of oranges to the number of bananas at first. Give your answer it its simplest form. (2 marks)

(b) Find the total number of apples and oranges at the end. (3 marks)

44. There were 350 workers in a factory. When $\frac{1}{6}$ of the male workers and 20 female workers resigned, there was an equal number of male and female workers. How many fewer female workers were there in the factory? (5 marks)

45. An egg-seller bought 16 trays of eggs. There were 25 eggs in each tray. 40 eggs were broken. 45% of the unbroken eggs were large, 35% were medium and the rest were small sized eggs. He sold each large egg for $0.20, each medium-sized egg for $0.12 and each small egg for $0.10. How much did he collect from the sale of all the unbroken eggs? (5 marks)